

RABIN & BERDO, P.C.
CUSTOMER NO: 23995
APPLICANT: Aphrodite CHEN
TITLE: MULTIPLE PORTS.....
FILED: July 15, 2003
ATTY DKT. NO. COR 128

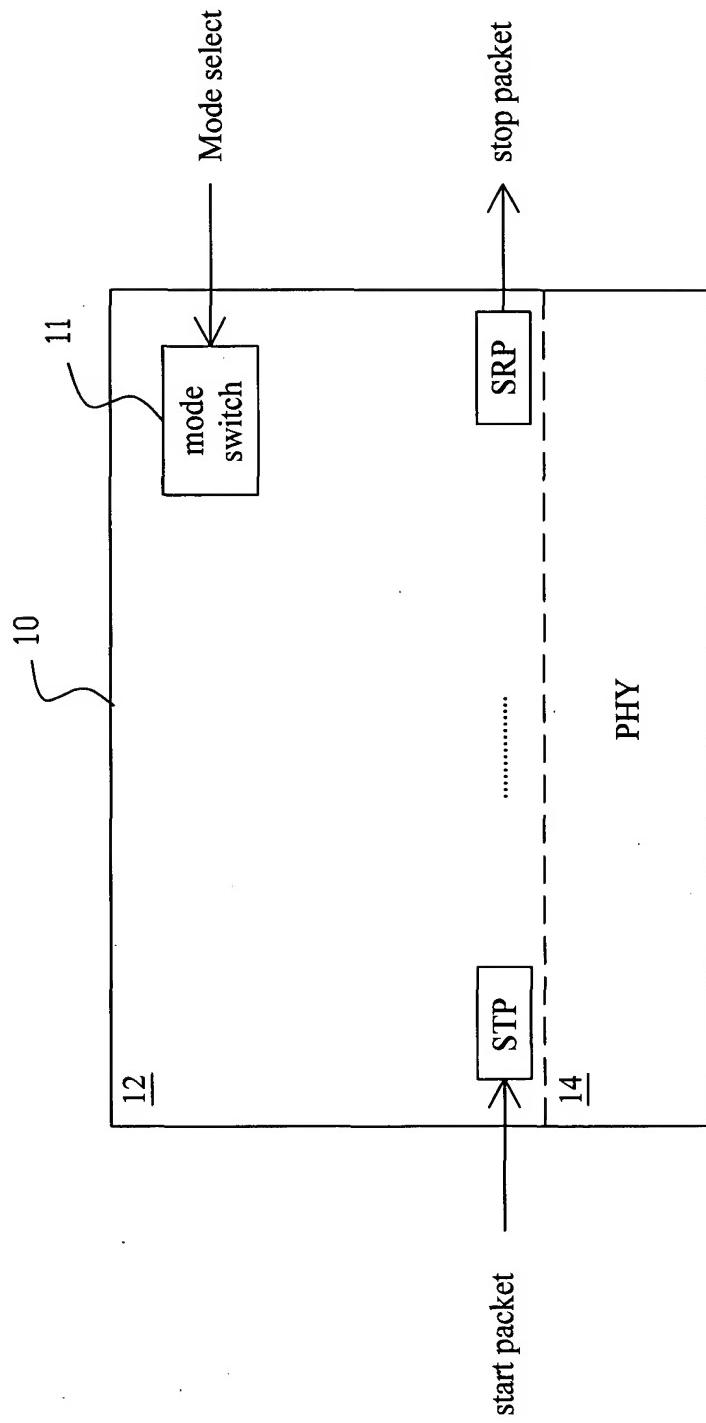


Fig. 1

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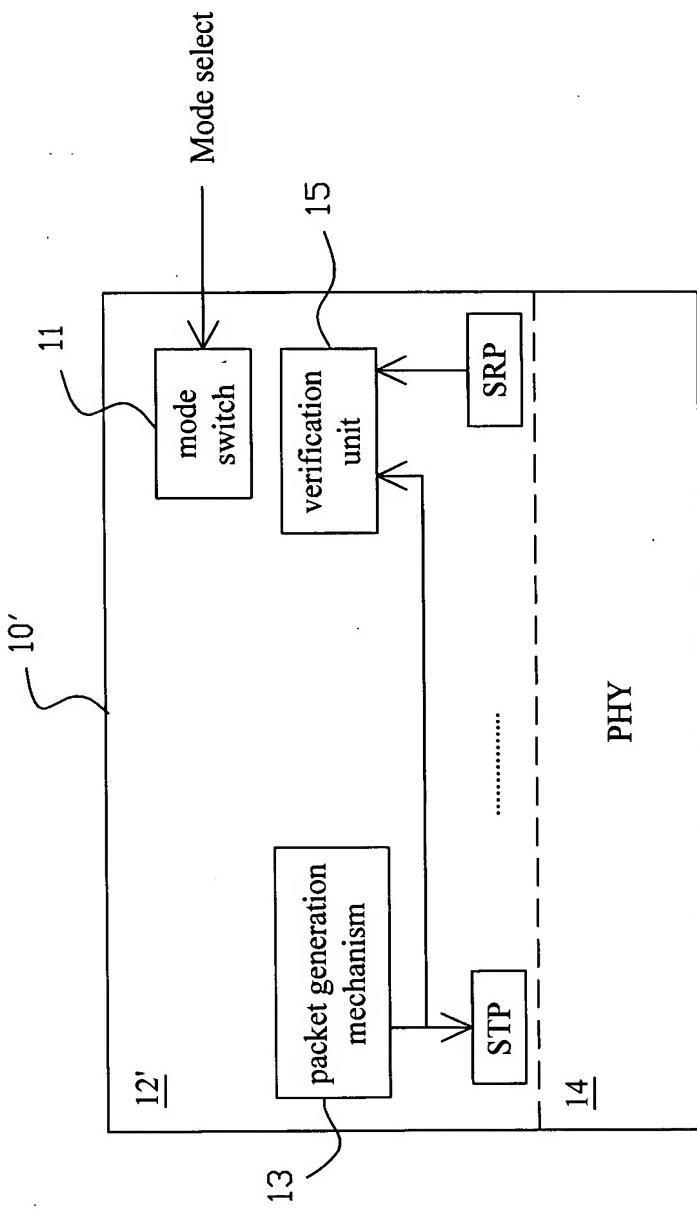


Fig. 2

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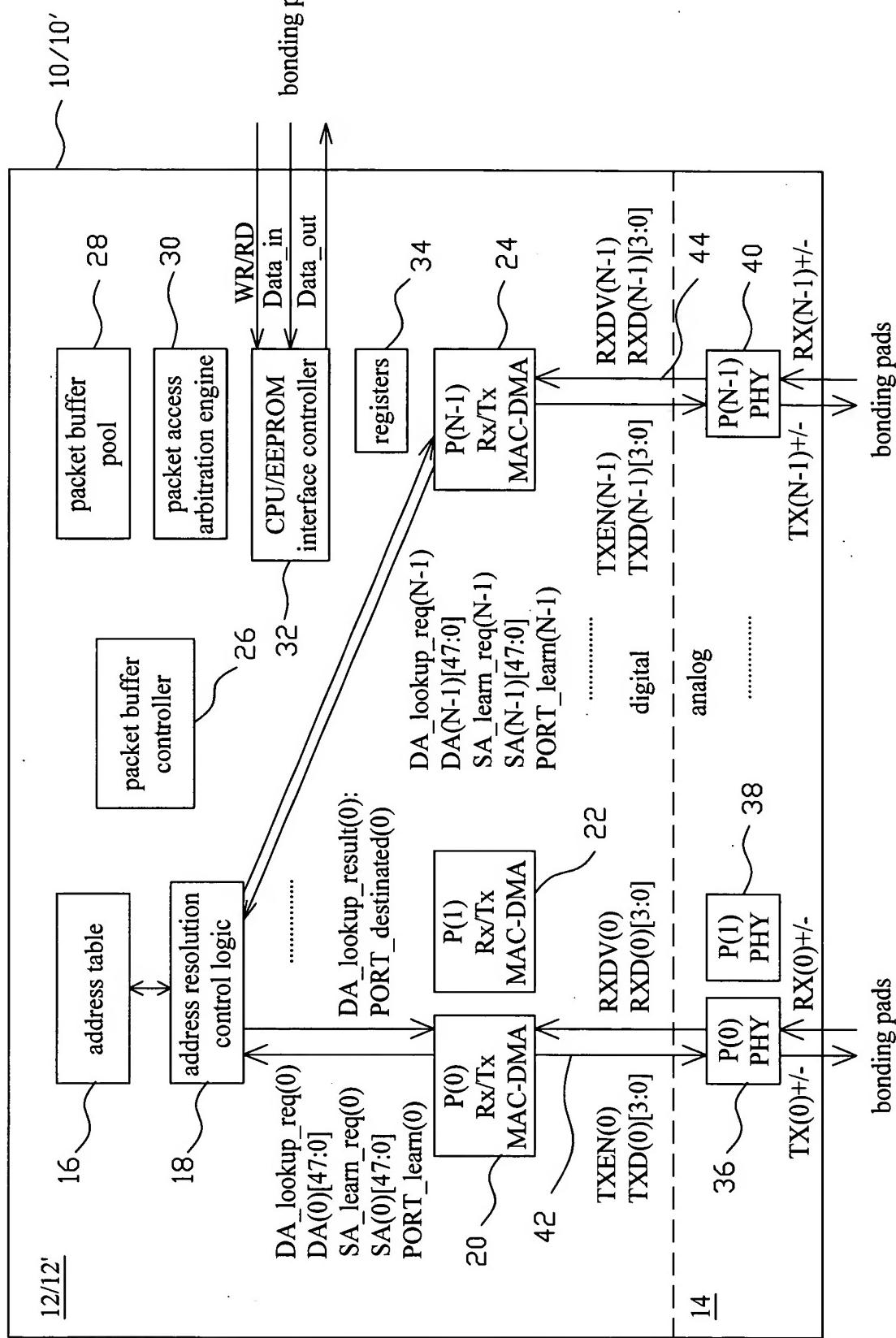


Fig. 3

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entryN	MAC address [47:0]	corresponding port	ageing timer	valid indication
entry0

Fig. 4

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packet DA compared with hitting entry MAC address	packet incoming port compared with hitting entry corresponding port	result
!=	don't care	broadcast
==	==	filter
==	!=	unicast destined to entry corresponding port

Fig. 5

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	MAC address [47:0]	corresponding port	ageing timer	valid indication
entry0	000---0---0-0	0---0---0	0	0
	000---0---0-0	0---0---0	0	0

Fig. 6 (Prior Art)

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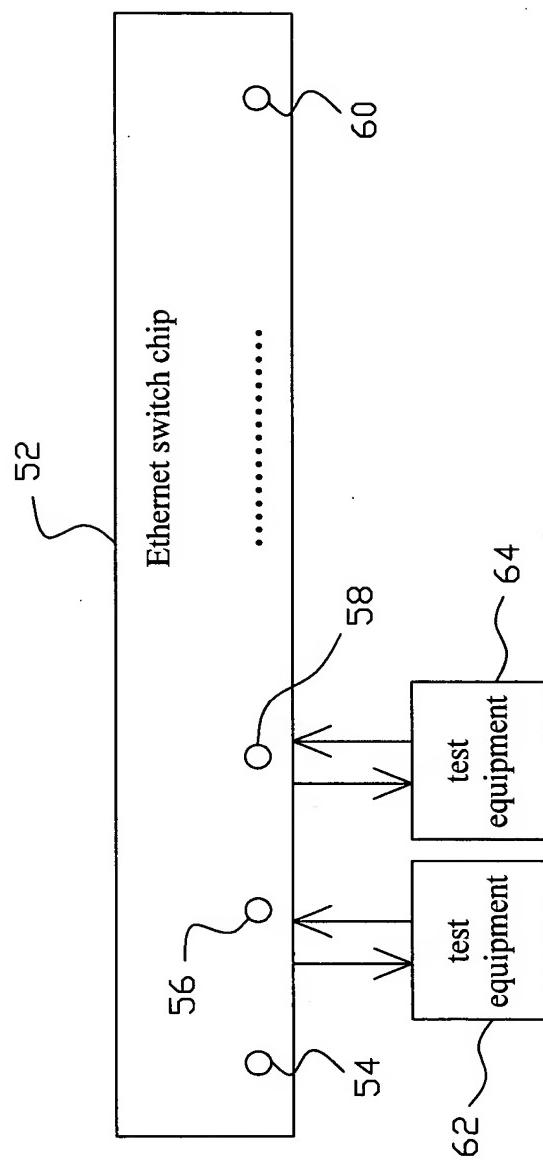


Fig. 7 (Prior Art)

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MAC address [47:0]	corresponding port	ageing timer	valid indication
00 00 00 00 01	01	000	1
00 00 00 00 02	02	000	1

entry0

Fig. 8 (Prior Art)

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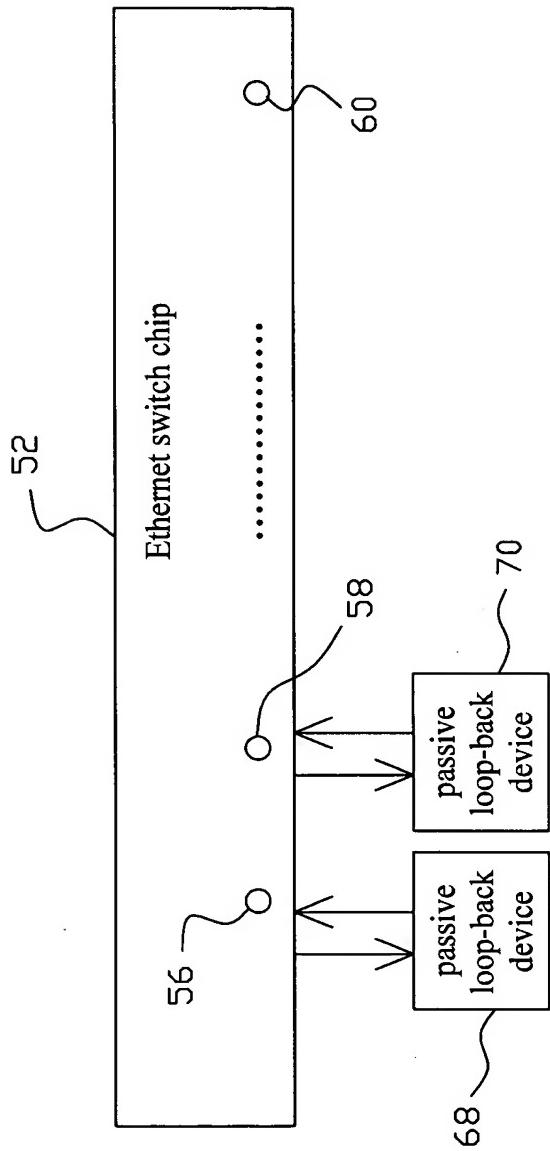


Fig. 9 (Prior Art)

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entry0	MAC address [47:0]	corresponding port	ageing timer	valid indication
	00 00 00 00 01	01	000	1
	00 00 00 00 02	01	000	1
	00 00 00 00 03	01	000	1
			

Fig. 10 (Prior Art)

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entry0	MAC address [47:0]	corresponding port	ageing timer	valid indication
	000---0---0-1	0---0---1	0	1
	000---0---0-2	0---0---1	0	1
			
	000---0---0-M	0---0---1	0	1

Fig. 11

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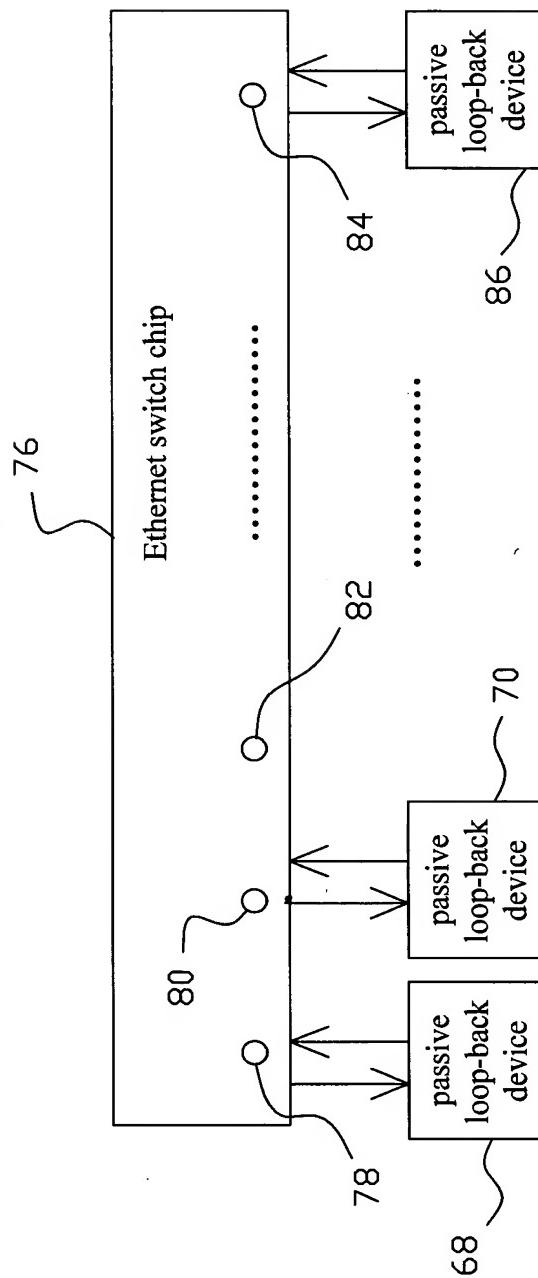


Fig. 12

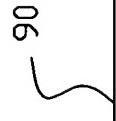
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entry0	MAC address [47:0]	corresponding port	ageing timer	valid indication
	000...0...0-1	0...0...2	0	1
	000...0...M	0...0...2	0	1

Fig. 13

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	MAC address [47:0]	corresponding port	ageing timer	valid indication
entry0	000...0...0-1	0...0...3	0	1
	000...0...M	0...0...3	0	1

Fig. 14

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MAC address [47:0]	corresponding port	ageing timer	valid indication
000---0---0-1	0---0---N	0	1
000---0---M	0---0---N	0	1

Fig. 15

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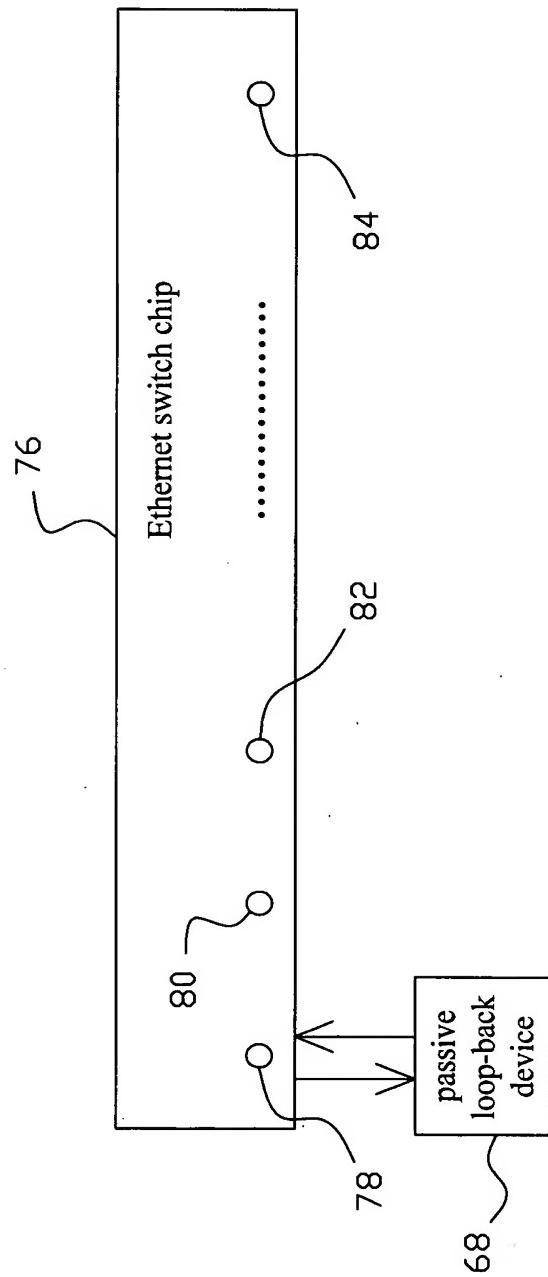


Fig. 16